



# **STIC Search Report**

**EIC 2800**

**STIC Database Tracking Number: 144040**

**TO: William Dowling  
Location: JEF- 9C73  
Art Unit : 2851  
Wednesday, February 02, 2005**

**Case Serial Number: 10/777795**

**From: Darcy Bates  
Location: EIC 2800  
JEF- 4B68  
Phone: 571-272-2540**

**darcy.bates@uspto.gov**

## **Search Notes**

**Re: 10/777,795 US 6,224,216**

**Attached are search results.**

**No U. S. litigation was found in searches of  
Lexis-Nexis and Questel-Orbit databases.**

**If more searching or explanation is needed, please let  
me know.**

**Thanks,  
Darcy Bates**

## Litigation involving patent 6,224,216

Click on the docket number to view the docket.  
Click on the above patent number to view the patent.

 Docket 	 Case Heading 	 Date Filed 	 Date Retrvd 
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There are no cases involving this patent number.

Source: [Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility Patents](#) 

Terms: **patno=6224216** ([Edit Search](#))

507260 (09) 6224216 May 1, 2001

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

**6224216**

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May 1, 2001

System and method employing LED light sources for a projection display

**REISSUE:** February 10, 2004 - Reissue Application filed Ex. Gp.: 2851; Re. S.N. 10/777,795 (O.G. June 1, 2004)

**INVENTOR:** Parker, Fred - Sherwood, Oregon; Peterson, Mark - Lake Oswego, Oregon

**APPL-NO:** 507260 (09)

**FILED-DATE:** February 18, 2000

**GRANTED-DATE:** May 1, 2001

**ASSIGNEE-AT-ISSUE:** Infocus Corporation, Wilsonville, Oregon, 02

**ASSIGNEE-AFTER-ISSUE:** January 8, 2001 - ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS)., INFOCUS CORPORATION 277700B SW PARKWAY AVENUE WILSONVILLE, OREGON 97070-921,, Reel and Frame Number: 011443/0650

**LEGAL-REP:** Rives LLP, Stoeel

**PUB-TYPE:** May 1, 2001 - Utility Patent having no previously published pre-grant publication (B1)

**PUB-COUNTRY:** United States (US)

**US-MAIN-CL:** 353#31

**US-ADDL-CL:** 345#46, 345#83, 348#742, 353#94

**CL:** 353, 345, 348, 353

**SEARCH-FLD:** 353#31, 353#34, 353#37, 353#94, 349#7, 349#8, 349#62, 349#68, 345#46, 345#82, 345#83, 348#742, 348#771, 348#801, 348#804

**IPC-MAIN-CL:** 7B 03B021#14


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[Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility Patents](#)
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patno=6224216

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**Search Connectors**

Use connectors to show relationships between search terms. (Hover over a connector for description. Click a connector to add to search.)

**Syntax Definition**

<u>and</u>	and
<u>or</u>	or
<u>w/N</u>	within N words
<u>not w/N</u>	not within N words
<u>pre /N</u>	precedes by N words
<u>w/p</u>	in same paragraph
<u>not w/p</u>	not in same paragraph
<u>w/seg</u>	in same segment
<u>not w/seg</u>	not in same segment
<u>w/s</u>	in same sentence
<u>not w/s</u>	not in same sentence
<u>and not</u>	and not

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Query/Command : file pluspat

Selected file: PLUSPAT

Query/Command : us6224216/pn

\*\* SS 13: Results 1

Search statement 14

Query/Command : prt fu legalall max

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image  
PN - US6224216 B1 20010501 [US6224216]  
TI - (B1) System and method employing LED light sources for a  
projection display  
PA - (B1) INFOCUS CORP (US)  
PAO - Infocus Corporation, Wilsonville OR [US]  
IN - (B1) PARKER FRED (US); PETERSON MARK (US)  
AP - US50726000 20000218 [2000US-0507260]  
PR - US50726000 20000218 [2000US-0507260]  
IC - (B1) B03B-021/14  
EC - G02B-006/00L4C  
G02B-006/00L6  
G02B-006/42C8  
G02B-006/42L  
H04N-005/66  
H04N-005/74M4  
H04N-005/74M6  
H04N-009/12  
ICO - S02B-006/06  
S02B-006/36M6  
S02B-006/42C8  
S02F-001/13357  
S02F-001/13357Q2  
S02F-201/02  
PCL - ORIGINAL (O) : 353031000; CROSS-REFERENCE (X) : 345046000  
345083000 348742000 353094000  
DT - Basic  
CT - US3962702; US4680579; US4763975; US4943154; US5022043; US5053765;  
US5108172; US5359345; US5426474; US5430501; US5513023; US5651599;  
US5724062; US5808800; US5897190; US5920297  
STG - (B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001  
AB - In a single path embodiment of a multimedia projector (30) of the  
present invention, the light emitted from blue, green, and red  
generally monochromatic LEDs (72) or LED arrays (70) is propagated  
through optical fibers (76) and then integrated through an  
optical integrator (40). A display controller (56) receives image  
data from a personal computer (58) and converts the data to color  
frame sequential data delivered to a common display device (44).  
The display controller (56) synchronizes the data with ON/OFF  
signals conveyed to an LED power supply (34). Because the  
synchronization is entirely electronic, the frame sequential  
information can be cycled much faster and more accurately than can  
be accomplished with a color wheel system (10). In a multiple  
path embodiment of a multimedia projector (120) of the present

invention, the light emitted from blue, green, and red generally monochromatic LEDs (72) or LED arrays (70) is propagated along separate respective optical paths (36b, 36g, 36r) through optical fibers (76) and then integrated through an optical integrator (40). A display controller (56) receives image data from a personal computer (58) and converts the data to color frame sequential data delivered to respective separate display devices (44b, 44g, 44r) whose output is coupled into a combiner (122). The display controller (56) synchronizes the data between the separate display devices (44b, 44g, 44r) to form a composite image. In this embodiment, all three sets of LEDs (72) can be left ON continuously. Other LED array color combinations can be employed with or without an additional white light path.

UP - 2001-20

1 / 1 LGST - @EPO

PN - US6224216 B1 20010501 [US6224216]

AP - US50726000 20000218 [2000US-0507260]

ACT - 20010108 US/AS-A

ASSIGNMENT

OWNER: INFOCUS CORPORATION 277700B SW PARKWAY AVENUE WILS;

EFFECTIVE DATE: 20010102

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:PARKER, FRED;PETERSON,

MARK;REEL/FRAME:011443/0650

20040601 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20040210

UP - 2004-31

1 / 1 CRXX - @CLAIMS/RRX

AN - 3502002

PN - 6,224,216 A 20010501 [US6224216]

PA - InFocus Corp

PT - M (Mechanical)

ACT - 20040210 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20040601

REISSUE REQUEST NUMBER: 1/777795

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2851

Reissue Patent Number:

UP - 2004-23

UACT- 2004-06-01

Search statement 14

Query/Command : fam us6224216/pn }

1 Patent Groups  
\*\* SS 14: Results 9

Search statement 15

Query/Command : famstate nonstop

1 / 9 PLUSPAT - @QUESTEL-ORBIT  
PN - AT264037 T 20040415 [ATE264037]  
STG - (T) EP Patent valid in AT  
OTI - (T) PROJEKTIONSANZEIGEVERFAHREN UNTER VERWENDUNG VON LEDS ALS  
LICHTQUELLEN UND EINE DIES NUTZENDE VORRICHTUNG  
PA - (T) INFOCUS CORP (US)  
IN - (T) PARKER FRED (US); PETERSON MARK (US)  
IC - (T) H04N-009/31  
AP - AT01905389T 20010201 [2001AT-0905389]  
PR - US50726000 20000218 [2000US-0507260]  
WOUS0103525 20010201 [2001WO-US03525]  
UP - 2004-17

1 / 1 LEGALI - @EPO  
PN - AT264037 T 20040415 [ATE264037]  
AP - AT01905389T 20010201 [2001AT-0905389]  
ACTE- 20041015 AT/RER-T [-]  
CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES  
UP - 2004-46

2 / 9 PLUSPAT - @QUESTEL-ORBIT  
PN - AU3327301 A 20010827 [AU200133273]  
STG - (A) Open to public inspection  
TI - (A) System and method employing led light sources for a projection  
display  
PA - (A) INFOCUS CORP  
IN - (A) PARKER FRED; PETERSON MARK  
IC - (A) H04N-009/31  
AP - AU3327301 20010201 [2001AU-0033273]  
PR - US50726000 20000218 [2000US-0507260]  
WOUS0103525 20010201 [2001WO-US03525]  
UP - 2001-51

3 / 9 PLUSPAT - @QUESTEL-ORBIT  
PN - CN1404699 T 20030319 [CN1404699]  
STG - (T) Translated document  
TI - (T) System and method employing LED light sources for a projection  
display  
PA - (T) INFOCUS CORP (US)  
IN - (T) PARKER F (US); PETERSON M (US)  
IC - (T) H04N-009/31  
AP - CN01805171T 20010201 [2001CN-0805171]  
PR - US50726000 20000218 [2000US-0507260]  
UP - 2003-13

4 / 9 PLUSPAT - @QUESTEL-ORBIT  
PN - DE60102672 D1 20040513 [DE60102672]  
STG - (D1) Granted EP number in bulletin  
OTI - (D1) PROJEKTIONSANZEIGEVERFAHREN UNTER VERWENDUNG VON LEDS ALS  
LICHTQUELLEN UND EINE DIES NUTZENDE VORRICHTUNG  
PA - (D1) INFOCUS CORP (US)  
IN - (D1) PARKER FRED (US); PETERSON MARK (US)  
IC - (D1) H04N-009/31  
PN2 - DE60102672 T2 20040819 [DE60102672]  
STG2- (T2) Trans. Of EP patent  
OTI2- (T2) PROJEKTIONSANZEIGEVERFAHREN UNTER VERWENDUNG VON LEDS ALS  
LICHTQUELLEN UND EINE DIES NUTZENDE VORRICHTUNG  
PA2 - (T2) INFOCUS CORP (US)  
IN2 - (T2) PARKER FRED (US); PETERSON MARK (US)  
IC2 - (T2) H04N-009/31  
AP - DE60102672 20010201 [2001DE-6002672]  
PR - US50726000 20000218 [2000US-0507260]  
WOUS0103525 20010201 [2001WO-US03525]  
UP - 2004-20

5 / 9 PLUSPAT - @QUESTEL-ORBIT  
PN - EP1258148 A1 20021120 [EP1258148]  
STG - (A1) Public. Of applic. With search report  
TI - (A1) SYSTEM AND METHOD EMPLOYING LED LIGHT SOURCES FOR A  
PROJECTION DISPLAY  
OTI - (A1) PROJEKTIONSANZEIGEVERFAHREN UNTER VERWENDUNG VON LEDS ALS  
LICHTQUELLEN UND EINE DIES NUTZENDE VORRICHTUNG  
(A1) SYSTEME ET PROCEDE FAISANT INTERVENIR DES SOURCES DE LUMIERE  
ELECTROLUMINESCENTES DESTINEES A UN AFFICHAGE DE PROJECTION  
PA - (A1) INFOCUS CORP (US)  
PAO - Infocus Corporation; 27700B SW Parkway Avenue; Willsonville, OR  
97070 (US)  
IN - (A1) PARKER FRED (US); PETERSON MARK (US)  
IC - (A1) H04N-009/31  
PN2 - EP1258148 B1 20040407 [EP1258148]  
STG2- (B1) Patent  
TI2 - (B1) SYSTEM AND METHOD EMPLOYING LED LIGHT SOURCES FOR A  
PROJECTION DISPLAY  
OTI2- (B1) PROJEKTIONSANZEIGEVERFAHREN UNTER VERWENDUNG VON LEDS ALS  
LICHTQUELLEN UND EINE DIES NUTZENDE VORRICHTUNG  
(B1) SYSTEME ET PROCEDE FAISANT INTERVENIR DES SOURCES DE LUMIERE  
ELECTROLUMINESCENTES DESTINEES A UN AFFICHAGE DE PROJECTION  
PA2 - (B1) INFOCUS CORP (US)  
IN2 - (B1) PARKER FRED (US); PETERSON MARK (US)  
IC2 - (B1) H04N-009/31  
LA - ENGLISH (ENG)  
AP - EP01905389 20010201 [2001EP-0905389]  
PR - WOUS0103525 20010201 [2001WO-US03525]  
US50726000 20000218 [2000US-0507260]  
DS - AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR  
UP - 2002-47

1 / 1 LEGALI - @EPO  
PN - EP1258148 A1 20021120 [EP1258148]EP1258148 B1 20040407 [EP1258148]  
AP - EP01905389 20010201 [2001EP-0905389]  
ACTE- 20021120 EP/AX-A [+] EXTENSION OF THE EUROPEAN PATENT TO  
AL;LT;LV;MK;RO;SI



20021120 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

20021120 EP/17P-A [+]  
REQUEST FOR EXAMINATION FILED  
EFFECTIVE DATE: 20020830

20030212 EP/17Q-A [+]  
FIRST EXAMINATION REPORT  
EFFECTIVE DATE: 20021230

20040407 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

20040407 EP/REG-A; GB/FG4D [+]  
GB: EUROPEAN PATENT GRANTED  
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20040415 EP/REG-A; CH/EP [+]  
CH: ENTRY IN THE NATIONAL PHASE  
<CH>

20040513 EP/REF-A  
CORRESPONDS TO:  
(DE 60102672 20040513 [DE60102672])

20040519 EP/REG-A; IE/FG4D [+]  
IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND  
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20040927 EP/LTIE-A [-]  
LT: INVALIDATION OF EUROPEAN PATENT EXTENSION  
EFFECTIVE DATE: 20040407

20041015 EP/REG-A; CH/PL [-]  
CH: PATENT CEASED  
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20041215 EP/25-A [-]  
LAPSED IN A CONTRACTING STATE  
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EFFECTIVE DATE: 20040407

20041215 EP/25-A [-]  
LAPSED IN A CONTRACTING STATE  
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EFFECTIVE DATE: 20040407

20041222 EP/25-A [-]  
LAPSED IN A CONTRACTING STATE  
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EFFECTIVE DATE: 20040407

20041222 EP/25-A [-]  
LAPSED IN A CONTRACTING STATE  
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EFFECTIVE DATE: 20040407

20041222 EP/25-A [-]  
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EFFECTIVE DATE: 20040707

20050112 EP/25-A [-]  
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EFFECTIVE DATE: 20040407

20050112 EP/25-A [-]  
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EFFECTIVE DATE: 20040407

20050112 EP/25-A [-]  
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20050112 EP/25-A [-]  
LAPSED IN A CONTRACTING STATE  
<FI>  
EFFECTIVE DATE: 20040407

20050112 EP/25-A [-]  
LAPSED IN A CONTRACTING STATE  
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EFFECTIVE DATE: 20040707

UP - 2005-02

6 / 9 PLUSPAT - @QUESTEL-ORBIT - image  
PN - EP1389018 A2 20040211 [EP1389018]  
STG - (A2) Pub. Of applic. Without search report  
TI - (A2) An Image Projection System for a Color Display Device  
OTI - (A2) Bildprojektionssystem für eine Farbanzeigevorrichtung  
(A2) Système de projection d'image pour un dispositif d'affichage  
en couleur  
PA - (A2) INFOCUS CORP (US)  
PAO - Infocus Corporation; 27700B SW Parkway Avenue; Willsonville, OR  
97070 (US)  
IN - (A2) PARKER FRED (US); PETERSON MARK (US)  
IC - (A2) H04N-009/31  
LA - ENGLISH (ENG)  
AP - EP03018870 20010201 [2003EP-0018870]  
PR - EP01905389 20010201 [2001EP-0905389]  
US50726000 20000218 [2000US-0507260]  
EC - G02B-006/00L4C  
G02B-006/42C8  
H04N-009/31V  
ICO - S02B-006/06  
S02F-001/13357  
DS - AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR  
DT - Basic  
UP - 2004-07

1 / 1 LEGALI - @EPO  
PN - EP1389018 A 0 [EP1389018]  
AP - EP03018870 20010201 [2003EP-0018870]  
ACTE- 20040211 EP/AC-A  
DIVISIONAL APPLICATION (ART. 76) OF:  
(EP 1258148 )

20040211 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

20040211 EP/17P-A [+]  
REQUEST FOR EXAMINATION FILED  
EFFECTIVE DATE: 20030819  
UP - 2004-07

7 / 9 PLUSPAT - @QUESTEL-ORBIT  
PN - JP2003523531 T 20030805 [JP2003523531]  
STG - (T) Unexam. Pat. Appl. On foreign appl.  
IC - (T) G02B-027/18 G02F-001/13 G02F-001/1335 G03B-021/00 G03B-021/14  
H01L-033/00 H04N-005/74 H04N-009/31  
AP - JP2001560145T 20010201 [2001JP-0560145]  
PR - US50726000 20000218 [2000US-0507260]  
WOUS0103525 20010201 [2001WO-US03525]  
UP - 2003-36

8 / 9 PLUSPAT - @QUESTEL-ORBIT - image  
PN - US6224216 B1 20010501 [US6224216]  
STG - (B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001  
TI - (B1) System and method employing LED light sources for a  
projection display  
PA - (B1) INFOCUS CORP (US)  
PAO - Infocus Corporation, Wilsonville OR [US]  
IN - (B1) PARKER FRED (US); PETERSON MARK (US)  
IC - (B1) B03B-021/14  
AP - US50726000 20000218 [2000US-0507260]  
PR - US50726000 20000218 [2000US-0507260]  
EC - G02B-006/00L4C  
G02B-006/00L6  
G02B-006/42C8  
G02B-006/42L  
H04N-005/66  
H04N-005/74M4  
H04N-005/74M6  
H04N-009/12  
ICO - S02B-006/06  
S02B-006/36M6  
S02B-006/42C8  
S02F-001/13357  
S02F-001/13357Q2  
S02F-201/02  
PCL - ORIGINAL (O) : 353031000; CROSS-REFERENCE (X) : 345046000  
345083000 348742000 353094000  
DT - Basic  
UP - 2001-20

1 / 1 LEGALI - @EPO  
PN - US6224216 B1 20010501 [US6224216]  
AP - US50726000 20000218 [2000US-0507260]  
ACTE- 20010108 US/AS-A  
ASSIGNMENT  
OWNER: INFOCUS CORPORATION 277700B SW PARKWAY AVENUE WILS;  
EFFECTIVE DATE: 20010102

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:PARKER, FRED;PETERSON,  
MARK;REEL/FRAME:011443/0650

20040601 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20040210

UP - 2004-31

9 / 9 PLUSPAT - @QUESTEL-ORBIT - image  
PN - WO200162012 A1 20010823 [WO200162012]  
STG - (A1) Publ. Of int. Appl. With int. Search rep  
TI - (A1) SYSTEM AND METHOD EMPLOYING LED LIGHT SOURCES FOR A  
PROJECTION DISPLAY  
OTI - (A1) SYSTEME ET PROCEDE FAISANT INTERVENIR DES SOURCES DE LUMIERE  
DEL DESTINEES A UN AFFICHAGE DE PROJECTION  
PA - (A1) PARKER FRED (US); PETERSON MARK (US); INFOCUS CORP (US)  
PAO - INFOCUS CORPORATION; 27700B SW Parkway Avenue, Willsonville, OR  
97070 (US) (except US)  
PARKER, Fred; 15874 Bowmen Lane, Sherwood, OR 97140 (US) (only US)  
PETERSON, Mark; 555 G. Avenue, Lake Oswego, OR 97034 (US) (only  
US)  
IN - (A1) PARKER FRED (US); PETERSON MARK (US)  
IC - (A1) H04N-009/31  
LA - ENGLISH (ENG)  
AP - WOUS0103525 20010201 [2001WO-US03525]  
PR - US50726000 20000218 [2000US-0507260]  
EC - G02B-006/00L4C  
G02B-006/00L6  
G02B-006/42C8  
G02B-006/42L  
H04N-005/66  
H04N-005/74M4  
H04N-005/74M6  
H04N-009/12  
ICO - S02B-006/06  
S02B-006/36M6  
S02B-006/42C8  
S02F-001/13357  
S02F-001/13357Q2  
S02F-201/02  
DS - AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN;  
CR; CU; CZ; DE; DK; DM; DZ; EE; ES; FI; GB; GD; GE; GH; GM; HR;  
HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT;  
LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT; RO; RU;  
SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN;  
YU; ZA; ZW; European patent (AT; BE; CH; CY; DE; DK; ES; FI; FR;  
GB; GR; IE; IT; LU; MC; NL; PT; SE; TR); OAPI patent (BF; BJ; CF;  
CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG); ARIPO patent (GH;  
GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZW); Eurasian patent (AM;  
AZ; BY; KG; KZ; MD; RU; TJ; TM)  
DT - Corresponding document  
UP - 2001-35

1 / 1 LEGALI - @EPO  
PN - WO200162012 A1 20010823 [WO200162012]  
AP - WOUS0103525 20010201 [2001WO-US03525]  
ACTE- 20010823 WO/AK [+]  
DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH  
REPORT

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM  
DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

20010823 WO/AL [+]

DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED  
APPLICATION WITH SEARCH REPORT

GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT  
BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ CF CG  
CI CM GA GN GW ML MR NE SN TD TG

20011017 WO/121

EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN  
THIS APPLICATION

20011129 WO/DFPE

REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF  
19TH MONTH FROM PRIORITY DATE

20020819 WO/ENP

ENTRY INTO THE NATIONAL PHASE IN:

JP 2001 560145A [2001JP-0560145]

20030206 WO/REG; DE/8642 [-]

DE: IMPACT ABOLISHED FOR DE

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UP - 2004-24


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<u>or</u>	or
<u>w/N</u>	within N words
<u>not w/N</u>	not within N words
<u>pre /N</u>	precedes by N words
<u>w/p</u>	in same paragraph
<u>not w/p</u>	not in same paragraph
<u>w/seg</u>	in same segment
<u>not w/seg</u>	not in same segment
<u>w/s</u>	in same sentence
<u>not w/s</u>	not in same sentence
<u>and not</u>	and not
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